

ABSTRACT

A communication system including a first device transmitting a modulated signal and a second device receiving the modulated signal. The second device can include a first demodulator and a second demodulator. The first demodulator can receive the modulated signal, produce a first demodulated output, and implement a first demodulation technique. The second demodulator can receive the modulated signal, produce a second demodulated output, and implement a second demodulation technique. The second demodulation technique can differ from the first demodulation technique. The second device can also include an error detection module that can perform bit error detection based on the first demodulated output and the second demodulated output.